

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS P.O. Box 1450 Alexandria, Vignina 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/491,982	01/27/2000	Stephen Shaughnessy	1171-101	9313
28120 75		•		
ROPES & GR			EXAMI	INER
ONE INTERNA BOSTON, MA	ATIONAL PLACE 02110-2624		MERTZ, PREMA MARIA	
			ART UNIT	PAPER NUMBER
•			1646	
	•	•	DATE MAILED: 05/16/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.



Office Action Summary

Application No. 09/491,982

Applicant(s)

Shaughnessy et al.

Examiner

Prema Mertz

1646

	The MAILING DATE of this communication appears of	on the cover sheet with the correspondence address			
	for Reply IORTENED STATUTORY PERIOD FOR REPLY IS SET	TO EVEIDE 1 MONTHIS) FROM			
THE	MAILING DATE OF THIS COMMUNICATION.				
- Extens		no event, however, may a reply be timely filed after SIX (6) MONTHS from the			
- If the p	g date of this communication. period for reply specified above is less than thirty (30) days, a reply within the period for reply is specified above, the maximum statutory period will apply ar				
- Failure	e to reply within the set or extended period for reply will, by statute, cause the	ne application to become ABANDONED (35 U.S.C. § 133).			
	eply received by the Office later than three months after the mailing date of the determ adjustment. See 37 CFR 1.704(b).	nis communication, even if timely filed, may reduce any			
Status					
1) 💢	_				
2a) 🗌	This action is FINAL . 2b) ✓ This acti	on is non-final.			
3) 🗆	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11; 453 O.G. 213.				
·	ition of Claims				
4) 💢	Claim(s) <u>1-42</u>	is/are pending in the application.			
4	la) Of the above, claim(s) 19-39	is/are withdrawn from consideration.			
5) 🗆	Claim(s)	is/are allowed.			
6) 🗆	Claim(s)	is/are rejected.			
7) 🗆	Claim(s)	is/are objected to.			
8) 💢	Claims <u>1-18 and 40-42</u>	are subject to restriction and/or election requirement.			
Applica	ation Papers				
9) 🗆	The specification is objected to by the Examiner.				
10)	10) \square The drawing(s) filed on is/are a) \square accepted or b) \square objected to by the Examiner.				
	Applicant may not request that any objection to the dr	rawing(s) be held in abeyance. See 37 CFR 1.85(a).			
11)□	The proposed drawing correction filed on	is: a) \square approved b) \square disapproved by the Examiner.			
	If approved, corrected drawings are required in reply to	to this Office action.			
12)	The oath or declaration is objected to by the Examin	ner.			
Priority	under 35 U.S.C. §§ 119 and 120				
13)□	Acknowledgement is made of a claim for foreign pr	iority under 35 U.S.C. § 119(a)-(d) or (f).			
a)[☐ All b)☐ Some* c)☐ None of:				
	1. \square Certified copies of the priority documents have	e been received.			
	2. \square Certified copies of the priority documents have	e been received in Application No			
	3. Copies of the certified copies of the priority do application from the International Burea	ocuments have been received in this National Stage au (PCT Rule 17.2(a)).			
_	ee the attached detailed Office action for a list of the	e certified copies not received.			
_	Acknowledgement is made of a claim for domestic				
	The translation of the foreign language provisional	• •			
	Acknowledgement is made of a claim for domestic	priority under 35 U.S.C. §§ 120 and/or 121.			
Attachm		11			
	otice of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper No(s)			
	otice of Draftsperson's Patent Drawing Review (PTO-948) formation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal Patent Application (PTO-152) 6) Other:			
3,	Officiation Disclosure organismicial in 10-1445/1 about 10/5/-	o) Li Other.			

Art Unit: 1646

DETAILED ACTION

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3/27/03 in Paper No. 21 has been entered.
- 2. Claims 1-18 and 40-42 in the instant application are being restricted as set forth below.

Election/Restriction

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
- I. Claims 1-3, 4-9, 14-15, drawn to a method for inhibiting reduction of bone density by administering a mutant IL-11R, classified in class 514, subclass 2.
- II. Claims 1-3, 10, drawn to a method for inhibiting reduction of bone density by administering an IL-11 antibody, classified in class 424, subclass 85.2.
- III. Claims 1-3, 11-13, 14-16, drawn to a method for inhibiting reduction of bone density by administering an IL-11 binding peptide, classified in class 514, subclass 14.
- IV. Claims 1-3, 14-18, drawn to a method for inhibiting reduction of bone density by administering an IL-11R antibody, classified in class 424, subclass 85.2.
- V. Claims 40-41, drawn to an antibody composition which binds IL-1-1R and inhibits binding between IL-11 and IL-11R, classified in Class 424, subclass 143.1.

The inventions are distinct, each from the other because of the following reasons:

Art Unit: 1646

Inventions in Group V and Groups IV are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (M.P.E.P. § 806.05(h)). In the instant case the antibody can be used in a materially different process, such as in immunochromatography.

Inventions I-IV are independent and distinct, each from the other, because the methods are practiced with materially different products which are structurally and chemically different, the novelty of the inventions lying in the products being administered and not the processes. The only feature in common in the instant inventions is "the method for inhibiting reduction of bone density", which does not constitute the special technical feature lacking from the prior art because this method can be used with a composition other than the instant products such as parathyroid hormone and bone-derived growth factors. Distinctness is further shown because each of these products in each method can be made and used without any one or more of the other products. The products in the different Groups are physically, chemically and biologically distinct from each other, and if patentable would support separate patents. Furthermore, separate search terms would be required for searching the literature, eg. a search of the literature for an association of mutant IL-11R with a method for inhibiting reduction of bone density-would-not-necessarilyreveal art for an association of IL-11 antibody or IL-11R antibody with a method for inhibiting reduction of bone density.

Art Unit: 1646

Inventions V and I-III, are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together, or they have different modes of operation, or they have different functions, or they have different effects. (MPEP. § 806.04, MPEP. § 808.01). In the instant case the different inventions are not disclosed as capable of use together.

Page 4

Having shown that these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and recognized divergent subject matter as defined by MPEP. § 808.02, the Examiner has *prima facie* shown a serious burden of search (see MPEP. § 803). Therefore, an initial requirement of restriction for examination purposes as indicated is proper.

Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 C.F.R. § 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently-filed petition under 37 C.F.R. § 1.48(b) and by the fee required under 37 C.F.R. § 1.17(h).

Advisory Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prema Mertz whose telephone number is (703) 308-4229. The examiner can normally be reached on Monday-Friday from 7:00AM to 3:30PM (Eastern time).

Art Unit: 1646

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler, can be reached on (703) 308-6564.

Official papers filed by fax should be directed to (703) 305-3014 or (703 308-4242. Faxed draft or informal communications with the examiner should be directed to (703) 746-5300.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [yvonne.eyler@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark Office on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Prema Mertz Ph.D. Primary Examiner Art Unit 1646 May 13, 2003